APRIL/MAY 2023

CESC63C — WIRELESS AND DATA COMMUNICATION

Time : Three hours Maximum : 75 marks

Shanmuga Industries Arts & Science College T.V.Malai

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define protocol.
2. Mention the types of data communication.
3. How do you know if a signal is periodic?
4. Define Modulation and Demodulation.
5. Define Circuit switching.
6. What do you mean by repeater in networking?
7. Mention any four components of WLAN.
8. State the significance of radio transmission over infrared.
9. What is the use of Datagram protocol?
10. What is the purpose of ICMP protocol?

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Write short notes on the Categories of Networks.

Or

(b) Describe about the functions of Network layer.

12. (a) Enumerate the differences between analog and digital signals.

Or

(b) Distinguish between guided media and unguided media.

13. (a) Write short note on Error control and its techniques.

Or

(b) Write short note on Public Switched Telephone Network.

14. (a) Give a note on Infrastructure Networks.

Or

(b) Write down the advantages and disadvantages of Wireless LAN.

15. (a) Write down the importance of Subnetting.

Or

(b) Discuss about the concept of Domain Name System.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss about the types of network topologies with neat diagram.

17. What are the three guided media used for data transmission? Explain.

18. Explain in detail about Cyclic Redundancy Check with an example.

19. Briefly explain the Wireless Ad hoc Networks with neat diagram.

20. Elaborate the working principles of User Datagram Protocol.

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